

Ramn Martnez Mez

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541
papers

25,028
citations

74
h-index

136
g-index

588
ext. papers

26,991
ext. citations

7.1
avg, IF

7.07
L-index

#	Paper	IF	Citations
541	Fluorogenic and chromogenic chemosensors and reagents for anions. <i>Chemical Reviews</i> , 2003 , 103, 4419-48	68.1	2778
540	Optical chemosensors and reagents to detect explosives. <i>Chemical Society Reviews</i> , 2012 , 41, 1261-96	58.5	883
539	The supramolecular chemistry of organic-inorganic hybrid materials. <i>Angewandte Chemie - International Edition</i> , 2006 , 45, 5924-48	16.4	469
538	Thiol-addition reactions and their applications in thiol recognition. <i>Chemical Society Reviews</i> , 2013 , 42, 6032-59	58.5	468
537	Chromogenic and fluorogenic chemosensors and reagents for anions. A comprehensive review of the years 2010-2011. <i>Chemical Society Reviews</i> , 2013 , 42, 3489-613	58.5	455
536	Gated Materials for On-Command Release of Guest Molecules. <i>Chemical Reviews</i> , 2016 , 116, 561-718	68.1	361
535	pH- and photo-switched release of guest molecules from mesoporous silica supports. <i>Journal of the American Chemical Society</i> , 2009 , 131, 6833-43	16.4	350
534	Chromogenic and fluorogenic chemosensors and reagents for anions. A comprehensive review of the year 2009. <i>Chemical Society Reviews</i> , 2011 , 40, 2593-643	58.5	349
533	A regenerative chemodosimeter based on metal-induced dye formation for the highly selective and sensitive optical determination of Hg ²⁺ ions. <i>Angewandte Chemie - International Edition</i> , 2005 , 44, 4405-7	16.4	338
532	A new chromo-chemodosimeter selective for sulfide anion. <i>Journal of the American Chemical Society</i> , 2003 , 125, 9000-1	16.4	308
531	Squaraines as fluoro-chromogenic probes for thiol-containing compounds and their application to the detection of biorelevant thiols. <i>Journal of the American Chemical Society</i> , 2004 , 126, 4064-5	16.4	299
530	Coupling selectivity with sensitivity in an integrated chemosensor framework: design of a Hg(2+)-responsive probe, operating above 500 nm. <i>Journal of the American Chemical Society</i> , 2003 , 125, 3418-9	16.4	292
529	Enzyme-responsive intracellular controlled release using nanometric silica mesoporous supports capped with "saccharides". <i>ACS Nano</i> , 2010 , 4, 6353-68	16.7	261
528	Rational design of a chromo- and fluorogenic hybrid chemosensor material for the detection of long-chain carboxylates. <i>Journal of the American Chemical Society</i> , 2005 , 127, 184-200	16.4	239
527	Controlled delivery using oligonucleotide-capped mesoporous silica nanoparticles. <i>Angewandte Chemie - International Edition</i> , 2010 , 49, 7281-3	16.4	223
526	A new selective fluorogenic probe for trivalent cations. <i>Chemical Communications</i> , 2012 , 48, 3000-2	5.8	221
525	Enzyme-responsive controlled release using mesoporous silica supports capped with lactose. <i>Angewandte Chemie - International Edition</i> , 2009 , 48, 5884-7	16.4	221

524	Chemodosimeters and 3D inorganic functionalised hosts for the fluoro-chromogenic sensing of anions. <i>Coordination Chemistry Reviews</i> , 2006 , 250, 3081-3093	23.2	221
523	Controlled delivery systems using antibody-capped mesoporous nanocontainers. <i>Journal of the American Chemical Society</i> , 2009 , 131, 14075-80	16.4	220
522	Gated silica mesoporous supports for controlled release and signaling applications. <i>Accounts of Chemical Research</i> , 2013 , 46, 339-49	24.3	215
521	A selective chromogenic reagent for cyanide determination. <i>Chemical Communications</i> , 2002 , 2248-9	5.8	212
520	Dual aperture control on pH- and anion-driven supramolecular nanoscopic hybrid gate-like ensembles. <i>Journal of the American Chemical Society</i> , 2008 , 130, 1903-17	16.4	209
519	Toward the development of ionically controlled nanoscopic molecular gates. <i>Journal of the American Chemical Society</i> , 2004 , 126, 8612-3	16.4	207
518	Enzyme-mediated controlled release systems by anchoring peptide sequences on mesoporous silica supports. <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 2138-40	16.4	185
517	Pyrylium-containing polymers as sensory materials for the colorimetric sensing of cyanide in water. <i>Chemical Communications</i> , 2005 , 2790-2	5.8	167
516	Chromogenic and fluorogenic reagents for chemical warfare nerve agents' detection. <i>Chemical Communications</i> , 2007 , 4839-47	5.8	163
515	New advances in fluorogenic anion chemosensors. <i>Journal of Fluorescence</i> , 2005 , 15, 267-85	2.4	156
514	A Colorimetric ATP Sensor Based on 1,3,5-Triarylpent-2-en-1,5-diones. <i>Angewandte Chemie - International Edition</i> , 2001 , 40, 2640-2643	16.4	155
513	Photochemical and Chemical Two-Channel Control of Functional Nanogated Hybrid Architectures. <i>Advanced Materials</i> , 2007 , 19, 2228-2231	24	152
512	Highly selective chromogenic signaling of Hg ²⁺ in aqueous media at nanomolar levels employing a squaraine-based reporter. <i>Inorganic Chemistry</i> , 2004 , 43, 5183-5	5.1	144
511	Silica-based powders and monoliths with bimodal pore systems. <i>Chemical Communications</i> , 2002 , 330-1	5.8	143
510	Subphthalocyanines as fluoro-chromogenic probes for anions and their application to the highly selective and sensitive cyanide detection. <i>Chemical Communications</i> , 2005 , 5260-2	5.8	142
509	Selective fluoride sensing using colorimetric reagents containing anthraquinone and urea or thiourea binding sites. <i>Tetrahedron Letters</i> , 2002 , 43, 2823-2825	2	142
508	Towards the development of colorimetric probes to discriminate between isomeric dicarboxylates. <i>Angewandte Chemie - International Edition</i> , 2003 , 42, 647-50	16.4	131
507	Finely tuned temperature-controlled cargo release using paraffin-capped mesoporous silica nanoparticles. <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 11172-5	16.4	129

506	Recent advances on intelligent packaging as tools to reduce food waste. <i>Journal of Cleaner Production</i> , 2018 , 172, 3398-3409	10.3	121
505	A mesoporous 3D hybrid material with dual functionality for Hg ²⁺ detection and adsorption. <i>Chemistry - A European Journal</i> , 2008 , 14, 8267-78	4.8	118
504	Chromogenic Discrimination of Primary Aliphatic Amines in Water with Functionalized Mesoporous Silica. <i>Advanced Materials</i> , 2004 , 16, 1783-1786	24	117
503	The determination of methylmercury in real samples using organically capped mesoporous inorganic materials capable of signal amplification. <i>Angewandte Chemie - International Edition</i> , 2009 , 48, 8519-22	16.4	114
502	Gated Silica Mesoporous Materials in Sensing Applications. <i>ChemistryOpen</i> , 2015 , 4, 418-37	2.3	112
501	An "electronic tongue" design for the qualitative analysis of natural waters. <i>Sensors and Actuators B: Chemical</i> , 2005 , 104, 302-307	8.5	109
500	A versatile drug delivery system targeting senescent cells. <i>EMBO Molecular Medicine</i> , 2018 , 10,	12	108
499	Sensitive and selective chromogenic sensing of carbon monoxide via reversible axial CO coordination in binuclear rhodium complexes. <i>Journal of the American Chemical Society</i> , 2011 , 133, 15762-72	16.4	103
498	A selective chromogenic reagent for nitrate. <i>Angewandte Chemie - International Edition</i> , 2002 , 41, 1416-9	16.4	103
497	A simple approach for the selective and sensitive colorimetric detection of anionic surfactants in water. <i>Angewandte Chemie - International Edition</i> , 2007 , 46, 1675-8	16.4	99
496	New methods for anion recognition and signaling using nanoscopic gate-like scaffoldings. <i>Angewandte Chemie - International Edition</i> , 2006 , 45, 6661-4	16.4	99
495	An OFF-ON Two-Photon Fluorescent Probe for Tracking Cell Senescence in Vivo. <i>Journal of the American Chemical Society</i> , 2017 , 139, 8808-8811	16.4	97
494	Targeted cargo delivery in senescent cells using capped mesoporous silica nanoparticles. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 10556-60	16.4	97
493	A New Approach to Chemosensors for Anions Using MCM-41 Grafted with Amino Groups. <i>Advanced Materials</i> , 2002 , 14, 966-969	24	97
492	A novel colorimetric sensor array for monitoring fresh pork sausages spoilage. <i>Food Control</i> , 2014 , 35, 166-176	6.2	94
491	Controlled release of vitamin B2 using mesoporous materials functionalized with amine-bearing gate-like scaffoldings. <i>Journal of Controlled Release</i> , 2008 , 131, 181-9	11.7	94
490	Die supramolekulare Chemie organisch-anorganischer Hybrid-Nanomaterialien. <i>Angewandte Chemie</i> , 2006 , 118, 6068-6093	3.6	93
489	Toward the design of smart delivery systems controlled by integrated enzyme-based biocomputing ensembles. <i>Journal of the American Chemical Society</i> , 2014 , 136, 9116-23	16.4	92

488	Sensitive and selective chromogenic sensing of carbon monoxide by using binuclear rhodium complexes. <i>Angewandte Chemie - International Edition</i> , 2010 , 49, 4934-7	16.4	91
487	Gated mesoporous silica nanoparticles for the controlled delivery of drugs in cancer cells. <i>Langmuir</i> , 2015 , 31, 3753-62	4	89
486	Triggered release in lipid bilayer-capped mesoporous silica nanoparticles containing SPION using an alternating magnetic field. <i>Chemical Communications</i> , 2012 , 48, 5647-9	5.8	88
485	Controlled release using mesoporous materials containing gate-like scaffoldings. <i>Expert Opinion on Drug Delivery</i> , 2009 , 6, 643-55	8	88
484	Monitoring of chicken meat freshness by means of a colorimetric sensor array. <i>Analyst, The</i> , 2012 , 137, 3635-43	5	87
483	Electro-optical triple-channel sensing of metal cations via multiple signalling patterns. <i>Tetrahedron Letters</i> , 2004 , 45, 1257-1259	2	87
482	Glucose-triggered release using enzyme-gated mesoporous silica nanoparticles. <i>Chemical Communications</i> , 2013 , 49, 6391-3	5.8	86
481	Chromogenic detection of nerve agent mimics. <i>Chemical Communications</i> , 2008 , 6002-4	5.8	85
480	Anthrylmethylamine functionalised mesoporous silica-based materials as hybrid fluorescent chemosensors for ATP. <i>Journal of Materials Chemistry</i> , 2005 , 15, 2721		85
479	An aptamer-gated silica mesoporous material for thrombin detection. <i>Chemical Communications</i> , 2013 , 49, 5480-2	5.8	84
478	Enzyme-Powered Gated Mesoporous Silica Nanomotors for On-Command Intracellular Payload Delivery. <i>ACS Nano</i> , 2019 , 13, 12171-12183	16.7	83
477	Host solids containing nanoscale anion-binding pockets and their use in selective sensing displacement assays. <i>Angewandte Chemie - International Edition</i> , 2005 , 44, 2918-22	16.4	83
476	Interactive models of communication at the nanoscale using nanoparticles that talk to one another. <i>Nature Communications</i> , 2017 , 8, 15511	17.4	82
475	Thiol-chromene click chemistry: a coumarin-based derivative and its use as regenerable thiol probe and in bioimaging applications. <i>Biosensors and Bioelectronics</i> , 2013 , 47, 300-6	11.8	79
474	Enzyme-Responsive Controlled Release Using Mesoporous Silica Supports Capped with Lactose. <i>Angewandte Chemie</i> , 2009 , 121, 5998-6001	3.6	77
473	Nanosopic hybrid systems with a polarity-controlled gate-like scaffolding for the colorimetric signalling of long-chain carboxylates. <i>Chemical Communications</i> , 2007 , 1957-9	5.8	77
472	Novel crystalline microporous transition-metal phosphites M11(HPO3)8(OH)6 (M = Zn, Co, Ni). X-ray powder diffraction structure determination of the cobalt and nickel derivatives. <i>Chemistry of Materials</i> , 1993 , 5, 121-128	9.6	77
471	A multisensor in thick-film technology for water quality control. <i>Sensors and Actuators A: Physical</i> , 2005 , 120, 589-595	3.9	76

470	A new method for fluoride determination by using fluorophores and dyes anchored onto MCM-41. <i>Chemical Communications</i> , 2002 , 562-3	5.8	76
469	Complexes containing ferrocenyl groups as redox spectators; synthesis, molecular structure and co-ordination behaviour of 4'-ferrocenyl-2,2':6',2'-terpyridine. <i>Journal of the Chemical Society Dalton Transactions</i> , 1994 , 645-650		76
468	Freshness monitoring of sea bream (<i>Sparus aurata</i>) with a potentiometric sensor. <i>Food Chemistry</i> , 2008 , 108, 681-8	8.5	74
467	Borate-driven gate-like scaffolding using mesoporous materials functionalised with saccharides. <i>Chemistry - A European Journal</i> , 2009 , 15, 6877-88	4.8	73
466	Mesoporous Silica-Based Materials with Bactericidal Properties. <i>Small</i> , 2019 , 15, e1900669	11	71
465	Enzyme-responsive intracellular-controlled release using silica mesoporous nanoparticles capped with ϵ -poly-L-lysine. <i>Chemistry - A European Journal</i> , 2014 , 20, 5271-81	4.8	71
464	A voltammetric electronic tongue as tool for water quality monitoring in wastewater treatment plants. <i>Water Research</i> , 2012 , 46, 2605-14	12.5	71
463	MUC1 aptamer-capped mesoporous silica nanoparticles for controlled drug delivery and radio-imaging applications. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2017 , 13, 2495-2505	6	70
462	Monitoring of physical-chemical and microbiological changes in fresh pork meat under cold storage by means of a potentiometric electronic tongue. <i>Food Chemistry</i> , 2011 , 126, 1261-1268	8.5	68
461	Fish freshness analysis using metallic potentiometric electrodes. <i>Sensors and Actuators B: Chemical</i> , 2008 , 131, 362-370	8.5	68
460	A chromo-fluorogenic synthetic "canary" for CO detection based on a pyrenylvinyl ruthenium(II) complex. <i>Journal of the American Chemical Society</i> , 2014 , 136, 11930-3	16.4	67
459	Sensory hybrid host materials for the selective chromo-fluorogenic detection of biogenic amines. <i>Chemical Communications</i> , 2006 , 2239-41	5.8	67
458	Multi-Channel Receptors and Their Relation to Guest Chemosensing and Reconfigurable Molecular Logic Gates. <i>European Journal of Inorganic Chemistry</i> , 2005 , 2005, 2393-2403	2.3	65
457	Squaraines as reporter units: insights into their photophysics, protonation, and metal-ion coordination behaviour. <i>Chemistry - A European Journal</i> , 2008 , 14, 10101-14	4.8	64
456	Galacto-conjugation of Navitoclax as an efficient strategy to increase senolytic specificity and reduce platelet toxicity. <i>Aging Cell</i> , 2020 , 19, e13142	9.9	64
455	Surfactant-assisted chromogenic sensing of cyanide in water. <i>New Journal of Chemistry</i> , 2009 , 33, 1641	3.6	63
454	A novel humid electronic nose combined with an electronic tongue for assessing deterioration of wine. <i>Sensors and Actuators A: Physical</i> , 2011 , 171, 152-158	3.9	62
453	Chromogenic, specific detection of the nerve-agent mimic DCNP (a tabun mimic). <i>Chemistry - A European Journal</i> , 2011 , 17, 6931-4	4.8	62

452	Ferrocene-cyclam: a redox-active macrocycle for the complexation of transition metal ions and a study on the influence of the relative permittivity on the coulombic interaction between metal cations. <i>Chemistry - A European Journal</i> , 2001 , 7, 2848-61	4.8	62
451	Accurate concentration determination of anions nitrate, nitrite and chloride in minced meat using a voltammetric electronic tongue. <i>Sensors and Actuators B: Chemical</i> , 2010 , 149, 71-78	8.5	61
450	A New Approach to Chemosensors for Anions Using MCM-41 Grafted with Amino Groups 2002 , 14, 966		60
449	Signalling Mechanisms in Anion-Responsive Push-Pull Chromophores: The Hydrogen-Bonding, Deprotonation and Anion-Exchange Chemistry of Functionalized Azo Dyes. <i>European Journal of Organic Chemistry</i> , 2007 , 2007, 2449-2458	3.2	59
448	Ferrocene-containing chelating ligands. 1. Solution study, synthesis, crystal structure, and electronic properties of bis{N,N'-ethylenebis((ferrocenylmethyl)amine)}copper(II) nitrate. <i>Inorganic Chemistry</i> , 1993 , 32, 1197-1203	5.1	59
447	Mesoporous silica materials for controlled delivery based on enzymes. <i>Journal of Materials Chemistry B</i> , 2017 , 5, 3069-3083	7.3	58
446	Selective and sensitive chromogenic detection of cyanide and HCN in solution and in gas phase. <i>Chemical Communications</i> , 2013 , 49, 5669-71	5.8	58
445	Ionic liquids promote selective responses towards the highly hydrophilic anion sulfate in PVC membrane ion-selective electrodes. <i>Chemical Communications</i> , 2005 , 3033-5	5.8	58
444	New Advances in In Vivo Applications of Gated Mesoporous Silica as Drug Delivery Nanocarriers. <i>Small</i> , 2020 , 16, e1902242	11	58
443	A molecular probe for the highly selective chromogenic detection of DFP, a mimic of Sarin and Soman nerve agents. <i>Chemistry - A European Journal</i> , 2011 , 17, 11994-7	4.8	57
442	Controlled Delivery Using Oligonucleotide-Capped Mesoporous Silica Nanoparticles. <i>Angewandte Chemie</i> , 2010 , 122, 7439-7441	3.6	57
441	An electronic tongue for fish freshness analysis using a thick-film array of electrodes. <i>Mikrochimica Acta</i> , 2008 , 163, 121-129	5.8	57
440	1,3,5-Triarylpent-2-en-1,5-diones for the colorimetric sensing of the mercuric cation. <i>Chemical Communications</i> , 2001 , 2262-3	5.8	57
439	Electrospun Antimicrobial Films of Poly(3-hydroxybutyrate--3-hydroxyvalerate) Containing Eugenol Essential Oil Encapsulated in Mesoporous Silica Nanoparticles. <i>Nanomaterials</i> , 2019 , 9,	5.4	57
438	Temperature-controlled release by changes in the secondary structure of peptides anchored onto mesoporous silica supports. <i>Chemical Communications</i> , 2014 , 50, 3184-6	5.8	56
437	Selective and sensitive chromofluorogenic detection of the sulfite anion in water using hydrophobic hybrid organic-inorganic silica nanoparticles. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 13712-6	16.4	55
436	Ex Vivo Tracking of Endogenous CO with a Ruthenium(II) Complex. <i>Journal of the American Chemical Society</i> , 2017 , 139, 18484-18487	16.4	55
435	Synthesis and study of the use of heterocyclic thiosemicarbazones as signaling scaffolding for the recognition of anions. <i>Journal of Organic Chemistry</i> , 2010 , 75, 2922-33	4.2	55

4 ¹⁶	Mesoporous silica materials with covalently anchored phenoxazinone dyes as fluorescent hybrid materials for vapour sensing. <i>Journal of Materials Chemistry</i> , 2007 , 17, 4716		46
4 ¹⁵	Anchoring dyes into multidimensional large-pore zeolites: a prospective use as chromogenic sensing materials. <i>Chemistry - A European Journal</i> , 2006 , 12, 2162-70	4.8	46
4 ¹⁴	Drug Delivery Nanosystems for the Localized Treatment of Glioblastoma Multiforme. <i>Materials</i> , 2018 , 11,	3.5	45
4 ¹³	Evaluation of sea bream (<i>Sparus aurata</i>) shelf life using an optoelectronic nose. <i>Food Chemistry</i> , 2013 , 138, 1374-80	8.5	45
4 ¹²	Discrimination of nerve gases mimics and other organophosphorous derivatives in gas phase using a colorimetric probe array. <i>Chemical Communications</i> , 2012 , 48, 10105-7	5.8	45
4 ¹¹	A new ion-selective electrode for anionic surfactants. <i>Talanta</i> , 2007 , 71, 333-8	6.2	45
4 ¹⁰	The chemistry of senescence. <i>Nature Reviews Chemistry</i> , 2019 , 3, 426-441	34.6	44
4 ⁰⁹	Gold Nanostars Coated with Mesoporous Silica Are Effective and Nontoxic Photothermal Agents Capable of Gate Keeping and Laser-Induced Drug Release. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 27644-27656	9.5	44
4 ⁰⁸	Fluorogenic detection of Tetryl and TNT explosives using nanoscopic-capped mesoporous hybrid materials. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 3561	13	44
4 ⁰⁷	Imidazoanthraquinone derivatives for the chromofluorogenic sensing of basic anions and trivalent metal cations. <i>Journal of Organic Chemistry</i> , 2014 , 79, 10752-61	4.2	43
4 ⁰⁶	Synthesis and evaluation of thiosemicarbazones functionalized with furyl moieties as new chemosensors for anion recognition. <i>Organic and Biomolecular Chemistry</i> , 2012 , 10, 7418-28	3.9	43
4 ⁰⁵	Hg ²⁺ and Cu ²⁺ selective detection using a dual channel receptor based on thiopyrylium scaffoldings. <i>Tetrahedron Letters</i> , 2009 , 50, 3885-3888	2	43
4 ⁰⁴	Chromogenic detection of nerve agent mimics by mass transport control at the surface of bifunctionalized silica nanoparticles. <i>Angewandte Chemie - International Edition</i> , 2010 , 49, 5945-8	16.4	43
4 ⁰³	Cathepsin-B induced controlled release from peptide-capped mesoporous silica nanoparticles. <i>Chemistry - A European Journal</i> , 2014 , 20, 15309-14	4.8	42
4 ⁰²	Mesoporous hybrid materials containing nanoscopic "binding pockets" for colorimetric anion signaling in water by using displacement assays. <i>Chemistry - A European Journal</i> , 2009 , 15, 9024-33	4.8	42
4 ⁰¹	Chromo-fluorogenic detection of nerve-agent mimics using triggered cyclization reactions in push-pull dyes. <i>Chemistry - an Asian Journal</i> , 2010 , 5, 1573-85	4.5	42
4 ⁰⁰	Bases for the synthesis of nanoparticulated silicas with bimodal hierarchical porosity. <i>Solid State Sciences</i> , 2006 , 8, 940-951	3.4	42
399	Design of enzyme-mediated controlled release systems based on silica mesoporous supports capped with ester-glycol groups. <i>Langmuir</i> , 2012 , 28, 14766-76	4	41

398	Selective chromofluorogenic sensing of heparin by using functionalised silica nanoparticles containing binding sites and a signalling reporter. <i>Chemistry - A European Journal</i> , 2009 , 15, 1816-20	4.8	41
397	Hybrid functionalised mesoporous silica-polymer composites for enhanced analyte monitoring using optical sensors. <i>Journal of Materials Chemistry</i> , 2008 , 18, 5815		41
396	Molecular gates in mesoporous bioactive glasses for the treatment of bone tumors and infection. <i>Acta Biomaterialia</i> , 2017 , 50, 114-126	10.8	40
395	Chromo-fluorogenic BODIPY-complexes for selective detection of V-type nerve agent surrogates. <i>Chemical Communications</i> , 2014 , 50, 13289-91	5.8	40
394	New potentiometric dissolved oxygen sensors in thick film technology. <i>Sensors and Actuators B: Chemical</i> , 2004 , 101, 295-301	8.5	40
393	Ein regeneratives Chemodosimeter für die hoch selektive und empfindliche optische Bestimmung von Hg ²⁺ , basierend auf der metallinduzierten Bildung eines Farbstoffes. <i>Angewandte Chemie</i> , 2005 , 117, 4479-4482	3.6	40
392	Crystal structure and spectroscopic studies of bis(N-2-pyridinylcarbonyl-2-pyridinecarboximidato)copper(II) monohydrate. Local bonding effects. <i>Inorganica Chimica Acta</i> , 1989 , 159, 11-18	2.7	40
391	Polyaza and azaoxa macrocyclic receptors functionalised with fluorescent subunits; Hg ²⁺ selective signalling. <i>Dalton Transactions RSC</i> , 2000 , 1199-1205		39
390	Curcumin-Based "Enhanced SAR" Promoted Ultrafast Fluorescent Probe for Thiophenols Detection in Aqueous Solution and in Living Cells. <i>Analytical Chemistry</i> , 2016 , 88, 10499-10503	7.8	39
389	Selective, sensitive, and rapid analysis with lateral-flow assays based on antibody-gated dye-delivery systems: the example of triacetone triperoxide. <i>Chemistry - A European Journal</i> , 2013 , 19, 4117-22	4.8	38
388	Selective opening of nanoscopic capped mesoporous inorganic materials with nerve agent simulants; an application to design chromo-fluorogenic probes. <i>Chemical Communications</i> , 2011 , 47, 8313-5	5.8	38
387	Brevioxime: A New Juvenile Hormone Biosynthesis Inhibitor Isolated from <i>Penicillium brevicompactum</i> . <i>Journal of Organic Chemistry</i> , 1997 , 62, 8544-8545	4.2	38
386	Nanoscopic optical sensors based on functional supramolecular hybrid materials. <i>Analytical and Bioanalytical Chemistry</i> , 2011 , 399, 55-74	4.4	37
385	Fluorescent Chemosensors for Heavy Metal Ions Based on Bis(terpyridyl) Ruthenium(II) Complexes Containing Aza-Oxa and Polyaza Macrocycles. <i>European Journal of Inorganic Chemistry</i> , 2001 , 2001, 1475-1482	2.3	37
384	Polyglutamic Acid-Gated Mesoporous Silica Nanoparticles for Enzyme-Controlled Drug Delivery. <i>Langmuir</i> , 2016 , 32, 8507-15	4	37
383	Development of a colorimetric sensor array for squid spoilage assessment. <i>Food Chemistry</i> , 2015 , 175, 315-21	8.5	36
382	Efficient boron removal by using mesoporous matrices grafted with saccharides. <i>Chemical Communications</i> , 2004 , 2198-9	5.8	36
381	Poly(N-isopropylacrylamide)-gated Fe ₃ O ₄ /SiO ₂ core shell nanoparticles with expanded mesoporous structures for the temperature triggered release of lysozyme. <i>Colloids and Surfaces B: Biointerfaces</i> , 2015 , 135, 652-660	6	35

380	Towards chemical communication between gated nanoparticles. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 12629-33	16.4	35
379	Enzyme-responsive silica mesoporous supports capped with azopyridinium salts for controlled delivery applications. <i>Chemistry - A European Journal</i> , 2013 , 19, 1346-56	4.8	35
378	Mimicking tricks from nature with sensory organicaorganic hybrid materials. <i>Journal of Materials Chemistry</i> , 2011 , 21, 12588		35
377	Hybrid materials with nanoscopic anion-binding pockets for the colorimetric sensing of phosphate in water using displacement assays. <i>Chemical Communications</i> , 2008 , 3639-41	5.8	35
376	A Rapid and Sensitive Strip-Based Quick Test for Nerve Agents Tabun, Sarin, and Soman Using BODIPY-Modified Silica Materials. <i>Chemistry - A European Journal</i> , 2016 , 22, 11138-42	4.8	34
375	Halogen-containing BODIPY derivatives for photodynamic therapy. <i>Dyes and Pigments</i> , 2019 , 160, 198-207	4.6	34
374	A photoactivated molecular gate. <i>Chemistry - A European Journal</i> , 2012 , 18, 12218-21	4.8	34
373	Selective Detection of Nerve Agent Simulants by Using Triarylmethanol-Based Chromogenic Chemodosimeters. <i>European Journal of Organic Chemistry</i> , 2012 , 2012, 4937-4946	3.2	34
372	New chromogenic probes into nanoscopic pockets in enhanced sensing protocols for amines in aqueous environments. <i>Organic Letters</i> , 2005 , 7, 5469-72	6.2	34
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